

## ABSTRACT

The invention relates to a high-density electrode, obtained by impregnating a high-density electrode which  
5 comprises an electrode active substance and carbon fiber having a fiber filament diameter of 1 to 1,000 nm and has a porosity of 25% or less, with a solid polymer electrolyte; and to a battery including the resultant (high-density) electrode. According to the invention, electrolytic solution permeability  
10 and electrolytic solution retainability, which are matters of importance in realizing a high-density electrode for achieving a battery having a high energy density, can be improved.